^{7}Li(^{7}Li,α^{7}Li) 2005Cu06

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu	NP A880,88 (2012)	1-Jan-2011

2003Fl02: ^{7}Li(^{7}Li,α), E=34, 50.9 MeV; measured charged particle spectra, coincidences following residual nucleus decay.
2005Cu06: ^{7}Li(^{7}Li,^{11}B), E=58 MeV; measured particle spectra. ^{11}B deduced relative yields for α+Li decay channels from excited states.

^{11}B Levels

E(level)	Comments
9.18×10^{3}	E(level): from (2005Cu06). decays via ^{7}Li+α 100% (2005Cu06).
10.36×10^{3}	E(level): from (2005Cu06). decays via ^{7}Li+α 100% (2005Cu06).
11.42×10^{3}	E(level): from (2005Cu06). decays via ^{7}Li+α 100% (2005Cu06).
12.65×10^{3}	E(level): from (2005Cu06). decays via ^{7}Li+α>99.8% and t+^{8}Be<0.2% (2005Cu06).
13.21×10^{3}	E(level): from (2005Cu06). decays via ^{7}Li+α>99.8% and t+^{8}Be<0.2% (2005Cu06).
$\approx14.5\times10^{3}$	E(level): from (2005Cu06). decays via ^{7}Li+α 97.7 *83 %* and t+^{8}Be 2.3 *2 %* (2005Cu06).
$\approx15.5\times10^{3}$	E(level): from (2005Cu06). decays via ^{7}Li+α 97 *10 %* and t+^{8}Be 3.3 *6 %* (2005Cu06).
$\approx17.7\times10^{3}$	E(level): from (2005Cu06). decays via ^{8}Be+t<31.0% and ^{9}Be+d>69.0% (2005Cu06).
$\approx18.3\times10^{3}$	E(level): from (2005Cu06). decays via ^{8}Be+t<18.1% and ^{9}Be+d>81.9% (2005Cu06).
$\approx19.55\times10^{3}$	E(level): from (2005Cu06). decays via ^{8}Be+t<34.8% and ^{9}Be+d>65.2% (2005Cu06).